DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled: COUPLING ENHANCEMENT FOR MEDIUM WITH ANTI-FERROMAGNETIC COUPLING, the specification of which is attached hereto unless the following box is checked:

was filed on	as United States Application Serial No.
and was amended on	(if applicable).

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Thing	Priority 0	laimed?
			□Yes	□No

We hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date		
60/372,353	April 10, 2002		

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to

patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No	Filing Date	Status		
		□Patented	□Pending	□Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:

Zhong Stella WU

Residence:

Fremont, California, USA

Citizenship:

Post Office Address: 45130 Pawnee Drive, Fremont, CA 94539

Name:

Samuel Dacke HARKNESS

Residence:

San Francisco, California, USA

Citizenship:

Post Office Address: 2575 Diamond St., San Francisco, CA 94131

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Zhong Stella WU et al.

Serial No.:

10/207,087

Filing Date:

July 30, 2002

For:

ENHANCED ANTI-FERROMAGNETIC

COUPLING THROUGH NOVEL

PROCESS

Examiner: Unassigned

Group Art Unit: Unassigned

POWER OF ATTORNEY

Commissioner for Patents Washington, D.C. 20231

Sir:

We hereby appoint the following attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Derek J. Berger, (Reg. No. 45,401) Carol I. Bordas (Reg. No. 37,284) Jennifer Buenzow (Reg. No. 50,124) Kirk A. Cesari (Reg. No. 47,479) Shawn B. Dempster (Reg. No. 34,321) Paul T. Dietz, (Reg. No. 38,858) David K. Lucente (Reg. No. 36,202) Mitchell K. McCarthy (Reg. No. 38,794)

Raghunath S. Minisandram (Reg. No. 38,683)

Lisa A. Amii (Reg No. 48,199) Mehran Arjomand (Reg No. 48,231) Erwin J. Basinski (Reg No. 34,773) Richard R. Batt (Reg No. 43,485) Jonathan Bockman (Reg No. 45,640) Barry E. Bretschneider (Reg No. 28,055) Tyler S. Brown (Reg No. 36,465) A. Randall Camacho (Reg No. 46,595) Robert K. Cerpa (Reg No. 39,933) Alex Chartove (Reg No. 31,942) Thomas E. Ciotti (Reg No. 21,013) Matthew M. D'Amore (Reg No. 42,457)

Peter Davis (Reg No. 36,119)

Randolph Ted Apple (Reg No. 36,429) Laurie A. Axford (Reg No. 35,053) Shantanu Basu (Reg No. 43,318) Vincent J. Belusko (Reg No. 30,820) Kimberly A. Bolin (Reg No. 44,546) Irina E. Britva (Reg No. 50,498) Nicholas Buffinger (Reg No. 39,124) Mark R. Carter (Reg No. 39,131) Peng Chen (Reg No. 43,543) Thomas Chuang (Reg No. 44,616) Cara M. Coburn (Reg No. 46,631) Raj S. Davé (Reg No. 42,465) David Devernoe (Reg No. P-50,128)

Karen B. Dow (Reg No. 29,684) Richard R. Eckman (Reg No. 42,504) Carolyn A. Favorito (Reg No. 39,183) Hector Gallegos (Reg No. 40,614) Deborah S. Gladstein (Reg No. 43,636) Kenneth R. Glick (Reg No. 28,612) Johney U. Han (Reg No. 45,565) Alan S. Hodes (Reg No. 38,185) Arthur S. Hsieh (Reg No. 48,247) Wayne Jaeschke, Jr. (Reg No. 38,503) Parisa Jorjani (Reg No. 46,813) Richard C. Kim (Reg No. 40,046) Lawrence B. Kong (Reg No. P49,043) Glenn Kubota (Reg No. 44,197 Michael J. Mauriel (Reg No. 44,226) Gladys H. Monroy (Reg No. 32,430) Kate H. Murashige (Reg No. 29,959) Catherine M. Polizzi (Reg No. 40,130) Robert Saltzberg (Reg No. 36,910) Debra A. Shetka (Reg No. 33,309) David Smith (Reg No. 39,839) Stanley H. Thompson (Reg No. 45,160) Brenda J. Wallach (Reg No. 45,193) E. Thomas Wheelock (Reg No. 28,825) Eric Witt (Reg No. 44,408) David T. Yang (Reg No. 44,415) George C. Yu (Reg No. 44,418)

Stephen C. Durant (Reg No. 31,506) Elisabeth M. Evertsz (Reg No. 50,304) David L. Fehrman (Reg No. 28,600) Thomas George (Reg No. 45,740) Debra J. Glaister (Reg No. 33,888) Bruce D. Grant (Reg No. 47,608) Douglas G. Hodder (Reg No. 41,840) Charles D. Holland (Reg No. 35,196) Jill A. Jacobson (Reg No. 40,030) Madeline I. Johnston (Reg No. 36,174) Ararat Kapouytian (Reg No. 40,044) Cameron A. King (Reg No. 41,897) Kawai Lau (Reg No. 44,461) Rimas T. Lukas (Reg No. 46,451) Robert S. McArthur (Reg No. 45,674) Philip A. Morin (Reg No. P-45,926) Martin M. Noonen (Reg No. 44,264) Phillip Reilly (Reg No. 41,415) Robert E. Scheid (Reg. No. 42,126) Terri Shieh-Newton (Reg No. 47,081) Kevin R. Spivak (Reg No. 43,148) Thomas L. Treffert (Reg No. P48,279) Michael R. Ward (Reg No. 38,651) Todd W. Wight (Reg No. 45,218) Frank Wu (Reg No. 41,386) Peter J. Yim (Reg No. 44,417) Karen R. Zachow (Reg No. 46,332)

Please direct all communications to:

Raj S. Davé, Ph.D., J.D. Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888

Please direct all telephone calls to Raj S. Davé at (202) 887-8798.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: Ay 7, 2002

Raghunath S. Minisandram
Senior Director of
Intellectual Property

Seagate Technology, LLC P.O. Box 66360 Scotts Valley, CA 95067-0360

2